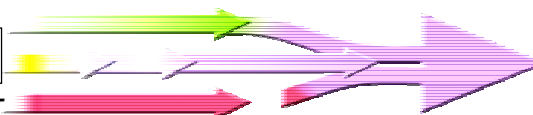




Vanguard For Army Transformation



PM BCT





Agenda



- Introductions
- System Characteristics
- 1/25 ID Stryker Fielding Quantities
- Hand-Off Day
- Hand-Off Schedule
- Operator New Equipment Training (OPNET)
- Field Level Maintenance New Equipment Training (FLMNET)
- Fielding Responsibilities
- Training Aids Devices Simulations and Simulators (TADSS)
- Supportability
- Summary
- POCs

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PRODUCT MANAGERS



LTC BRYAN McVEIGH

- ***RECONNAISSANCE VEHICLE***
- ***ENGINEER SQUAD VEHICLE***
- ***FIRE SUPPORT VEHICLE***

LTC JAMES PARKER

- ***INFANTRY CARRIER VEHICLE***
- ***MORTAR CARRIER VEHICLE***
- ***COMMANDER'S VEHICLE***
- ***ANTI-TANK GUIDED MISSILE VEHICLE***
- ***MEDICAL EVACUATION VEHICLE***

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TRADOC Systems Manager (TSM)



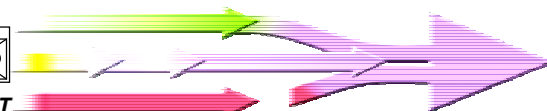
COL Charles Betack

TSM, Stryker

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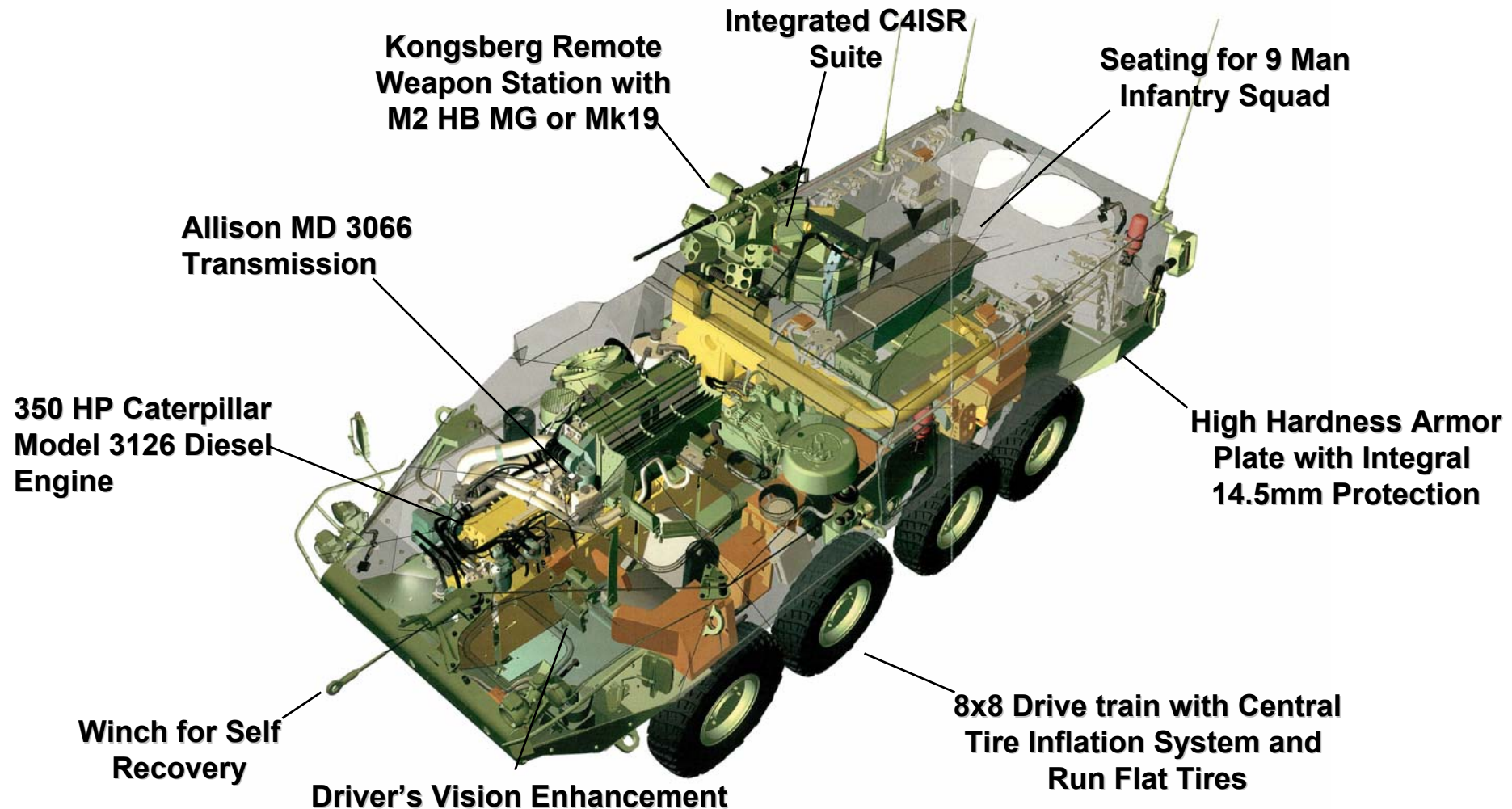
PM BCT





STRYKER ICV

Technical Characteristics



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Technical Characteristics Infantry Carrier Vehicle (ICV)



<p>Supportability</p> <p>Embedded IETMs Block Improvement Diagnostics Linked To VDT BIT Power Pack Display</p>	<p>Transportability</p> <p>C-130 CAPABLE</p>	<p>Mobility</p> <p>60 MPH Top Speed 9 Sec 50m Dash 78 in Gap Crossing 23 in Vertical Climb 330 Mile Cruising Range est.</p>
<p>Survivability</p> <p>High Hard Steel Structure MEXAS Ceramic Layer Spall Liner IBD Passive RPG Add-on</p>	<p>Mission Capability</p> <p>Carries 9 Man Infantry Squad and Crew of 2 Kongsberg Remote Weapon Station With M2 .50 Cal MG or Mk19 Javelin Missiles</p>	<p>IAV Common GFE/ASIOE</p> <p>FBCB2 EPLRS PLGR SINGARS</p>

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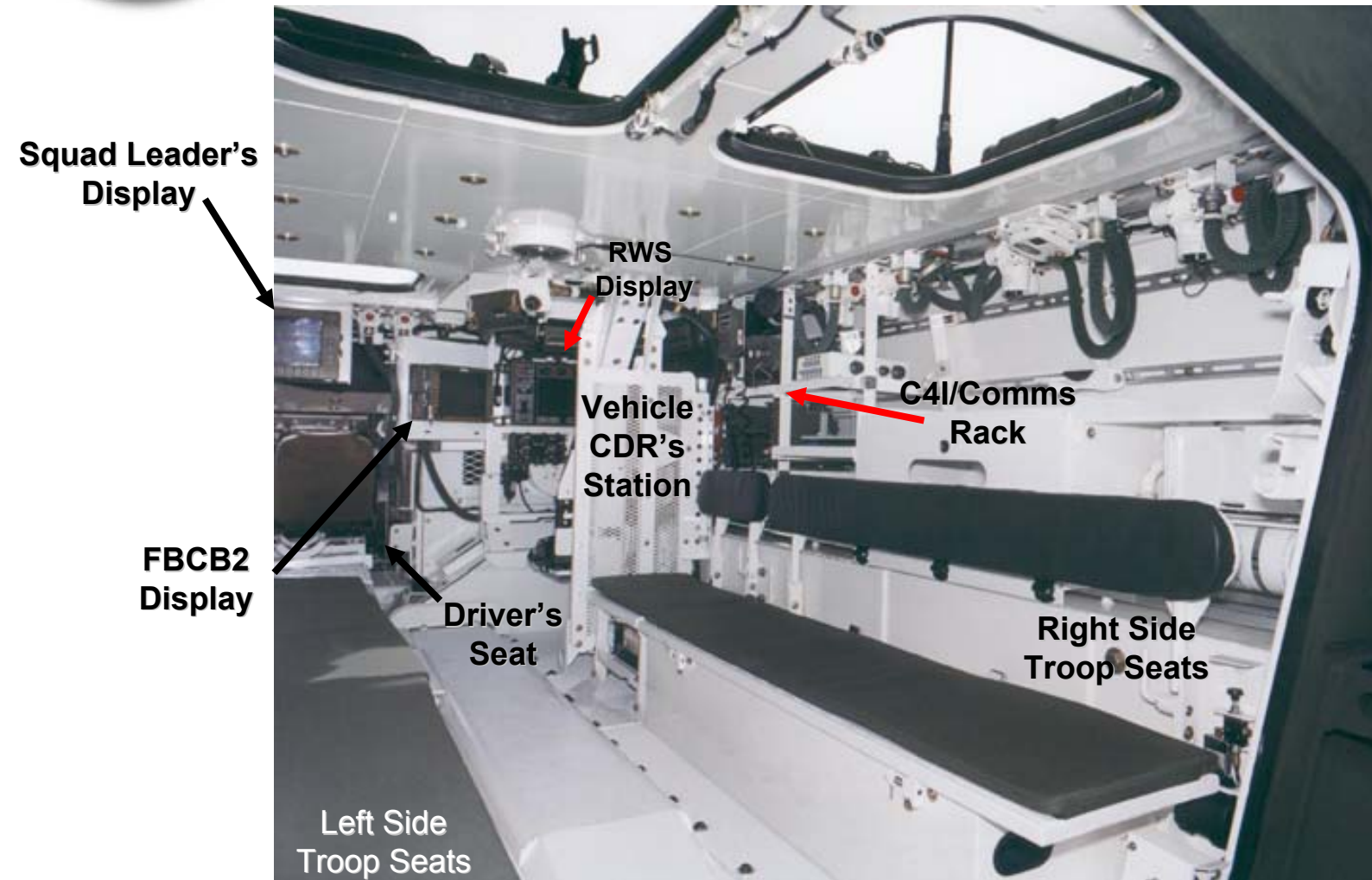


PM BCT





STRYKER ICV Interior View



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ICV Commander's Station



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PM BCT





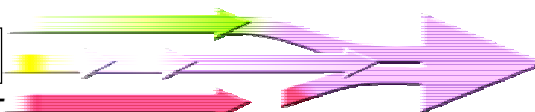
ICV Driver's Station



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PM BCT





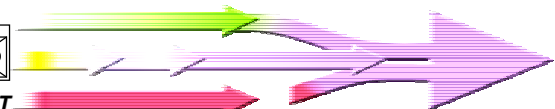
ICV Remote Weapon Station



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PM BCT





Technical Characteristics Mortar Carrier (MC)



<p>Supportability</p> <p>Based On ICV Chassis Embedded IETMs Block Improvement Diagnostics Linked To VDT BIT Power Pack Display</p>	<p>Transportability</p> <p>C-130 CAPABLE</p>	<p>Mobility</p> <p>60 MPH Top Speed 9 Sec 50m Dash 78 in Gap Crossing 23 in Vertical Climb 330 Mile Cruising Range est.</p>
<p>Survivability</p> <p>High Hard Steel Structure MEXAS Ceramic Layer Spall Liner IBD Passive RPG Add-on NBC Detection</p>	<p>Mission Capability</p> <p>Kongsberg Remote Weapon Station With M2 .50 Cal MG or Mk19 Dismounted 120mm and 81mm or 60mm mortar</p>	<p>MC Specific GFE/ASIOE</p> <p>M23 Mortar Ballistic Computer M121 120mm Mortar AND M252 81mm Mortar OR M170 60mm Mortar</p>

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Technical Characteristics Reconnaissance Vehicle



<p>Supportability</p> <p>Based On ICV Chassis Embedded IETMs Block Improvement Diagnostics Linked To VDT BIT Power Pack Display</p>	<p>Transportability</p> <p>C-130 CAPABLE</p>	<p>Mobility</p> <p>60 MPH Top Speed 9 Sec 50m Dash 78 in Gap Crossing 23 in Vertical Climb 330 Mile Cruising Range est.</p>
<p>Survivability</p> <p>High Hard Steel Structure MEXAS Ceramic Layer Spall Liner IBD Passive RPG Add-on</p>	<p>Mission Capability</p> <p>Power Assisted Cupola With M2 .50 cal MG Or MK19 40mm 2000 rnds .50 Cal or 448 rnds 40mm Common with FSV LRAS3 7 Man Capability</p>	<p>RV Specific GFE/ASIOE</p> <p>LRAS3</p> <p><i>LTC Bryan Mc Veigh</i></p> <p><i>Product Manager</i></p>

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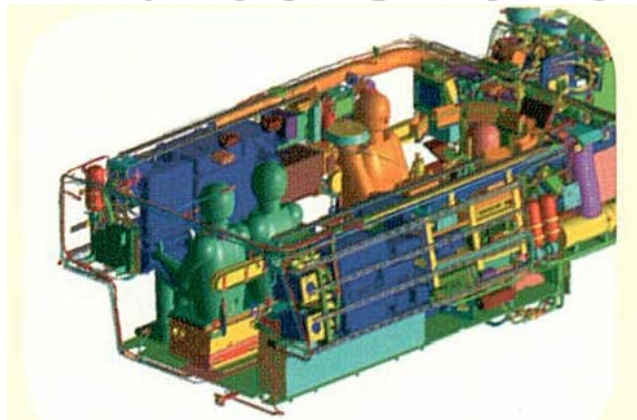


PM BCT





Technical Characteristics Commander's Vehicle (CV)

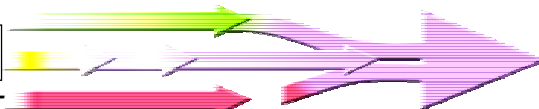


<p>Supportability</p> <p>Embedded IETMs Block Improvement Diagnostics Linked To VDT BIT Power Pack Display</p>	<p>Transportability</p> <p>C-130 CAPABLE</p>	<p>Mobility</p> <p>60 MPH Top Speed 9 Sec 50m Dash 78 in Gap Crossing 23 in Vertical Climb 330 Mile Cruising Range est.</p>
<p>Survivability</p> <p>High Hard Steel Structure MEXAS Ceramic Layer Spall Liner IBD Passive RPG Add-on</p>	<p>Mission Capability</p> <p>Kongsberg Remote Weapon Station With M2 .50 Cal MG or Mk19 Mounts Full C4 Suite</p>	<p>CV Specific GFE/ASIOE</p> <p>ASAS AFATDS CHS SATCOM</p>

Vanguard For Army Transformation

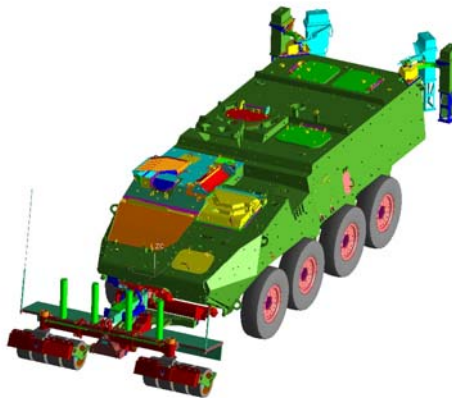


PM BCT





Technical Characteristics Engineer Squad Vehicle



Supportability

Based On ICV Chassis
Embedded IETMs Block Improvement
Diagnostics Linked To VDT
BIT Power Pack Display

Transportability

C-130 CAPABLE

Mission Capability

Carries Infantry/Engineer Squad
Kongsberg Remote Weapon Station
With M2 .50 cal MG (2000 rds)
Pearson Surface Mine Plow &
Lightweight Mine Roller
Magnetic Signature Duplicator
Lane Marking System

Survivability

High Hard Steel Structure
MEXAS Ceramic Layer
Spall Liner
IBD Passive RPG Add-on

Mobility

60 MPH Top Speed
9 Sec 50m Dash
78 in Gap Crossing
23 in Vertical Climb
330 Mile Cruising Range est.

LTC Bryan Mc Veigh
Product Manager

Vanguard For Army Transformation

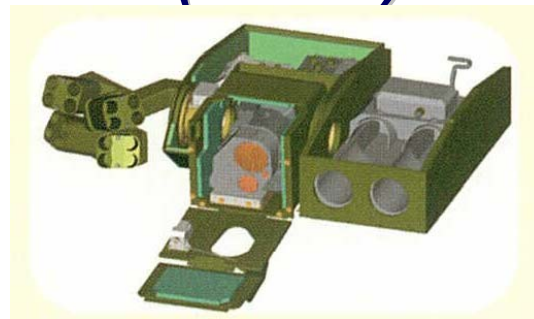


PM BCT





Technical Characteristics Anti-Tank Guided Missile Vehicle (ATGM)

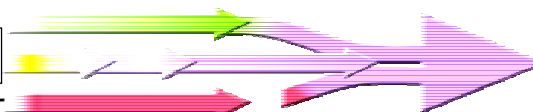


<p>Supportability</p> <p>Embedded IETMs Block Improvement Diagnostics Linked To VDT BIT Power Pack Display</p>	<p>Transportability</p> <p>C-130 CAPABLE</p>	<p>Mobility</p> <p>60 MPH Top Speed 9 Sec 50m Dash 78 in Gap Crossing 23 in Vertical Climb 330 Mile Cruising Range est.</p>
<p>Survivability</p> <p>High Hard Steel Structure MEXAS Ceramic Layer Spall Liner IBD Passive RPG Add-on</p>	<p>Mission Capability</p> <p>MITAS Sight w/ Launcher Pintle Mounted M2 .50 Cal MG or Mk19 40mm Grenade Launcher</p>	<p>ATGM Specific GFE/ASIOE</p> <p>TOW II</p>

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PM BCT





Technical Characteristics Fire Support Vehicle



<p>Supportability</p> <p>Based On ICV Chassis Embedded IETMs Block Improvement Diagnostics Linked To VDT BIT Power Pack Display</p>	<p>Transportability</p> <p>C-130 CAPABLE</p>	<p>Mobility</p> <p>60 MPH Top Speed 9 Sec 50m Dash 78 in Gap Crossing 23 in Vertical Climb 330 Mile Cruising Range est.</p>
<p>Survivability</p> <p>High Hard Steel Structure MEXAS Ceramic Layer Spall Liner IBD Passive RPG Add-on</p>	<p>Mission Capability</p> <p>Power Assisted Cupola With M2 .50 cal MG 2000 rnds .50 Cal Common with RV Mounts Striker MEP Will Upgrade to LLDR</p>	<p>FSV Specific GFE/ASIOE</p> <p>Striker MEP FOS</p> <p><i>LTC Bryan Mc Veigh</i> <i>Product Manager</i></p>

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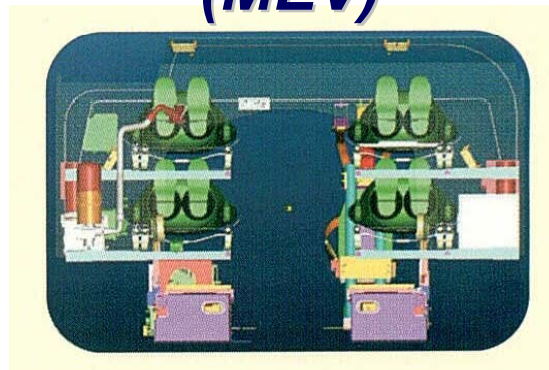


PM BCT





Technical Characteristics Medical Evacuation Vehicle (MEV)



<p>Supportability</p> <p>Embedded IETMs Block Improvement Diagnostics Linked To VDT BIT Power Pack Display</p>	<p>Transportability</p> <p>C-130 CAPABLE</p>	<p>Mobility</p> <p>60 MPH Top Speed 9 Sec 50m Dash 78 in Gap Crossing 23 in Vertical Climb 330 Mile Cruising Range est.</p>
<p>Survivability</p> <p>High Hard Steel Structure MEXAS Ceramic Layer Spall Liner IBD Passive RPG Add-on</p>	<p>Mission Capability</p> <p>Raised Roof to Accommodate Litters Four Litter Capability Six Ambulatory Capability</p>	<p>MEV Specific GFE/ASIOE</p> <p>MC-4 Medic's Aid</p>

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PM BCT





STRYKER

Family of Vehicles for 1/25 ID



Brigade Configuration (293)

• ICV = Infantry Carrier Vehicle	108*
• RV = Reconnaissance Vehicle	48
• MC = Mortar Carrier	36
• CV = Commander's Vehicle	27*
• FSV = Fire Support Vehicle	13
• ESV = Engineer Squad Vehicle	9
• MEV = Medical Evacuation Vehicle	16
• ATGM = Anti-Tank Guided Missile	36
• NBC RV = Nuclear Biological Chemical Reconnaissance Vehicle	0
• MGS = Mobile Gun System	0
• ORF = Operational Readiness Float	16

*CO Level CVs may be replaced by ICVs.

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PM BCT





STRYKER FINAL ASSEMBLY



AN/VDR-2 Mount



M13A1 GPFU



Radio Installation Kits

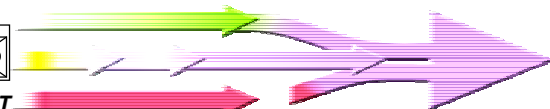


VIS (VIC III)

Vanguard For Army Transformation



PM BCT





STRYKER DEPROCESSING



- Unpack Vehicle
- Performs – 10/20 PMCS
- Install ASIOE Items
 - The ASIOE for Deprocessing follows a STRYKER Common Baseline that Includes these vehicles:
 - ICV, MC, CV, ESV, MEV,& ATGM
 - Exceptions are:
 - FSV with its G/VLLD & AN/TAS-4.
 - RV with its LRAS3 Sensor.

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STRYKER DEPROCESSING



**MWRH
UNIT**



AN/VDR-2

M6 CMD



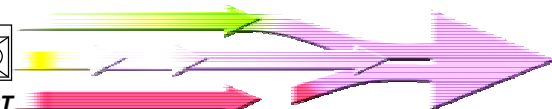
DVE



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PM BCT





STRYKER ASIOE Harvest



- Selected pieces of Associated Support Items Of Equipment have already been fielded (SINGARS, Mounted Water Ration Heaters, PLGR, etc.)
- This equipment must be “harvested” for STRYKER installation
- Harvest will be synchronized with the Unit training plan and the STRYKER Fielding Schedule
- Harvest will occur 30 days prior to hand-off
- All ASIOE equipment must be complete and fully mission capable to ensure timely STRYKER installation and fielding
- Equipment will be harvested and issued back to the same unit to preclude property book transactions

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STRYKER C4ISR INSTALLATION



FBCB2 V.4
PM FBCB2
?????



SINCGARS
PM TRCS
??????



EPLRS
PM TRCS
?????

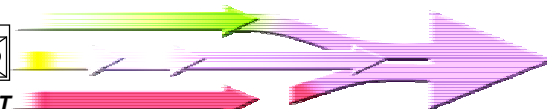


PLGR
?????

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PM BCT





Unit Mounted Equipment



**JAVELIN CLU
PM JAVELIN
On HAND w/Unit**



**AN/PAS-13
Thermal Weapon
Sight*
*RV,FSV, ATGM Only**



**M23 Mortar Ballistic
Computer
UNIT
ON HAND w/Unit**



**120mm, 81mm,
& 60mm Mortars
UNIT
ON HAND w/Unit**



**MK-19 Gren. Launch
UNIT
On HAND w/Unit**

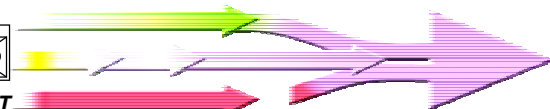


**M2 MG & Tripod
UNIT
ON HAND w/Unit**

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STRYKER Fielding Complex



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General Issue Day Schedule

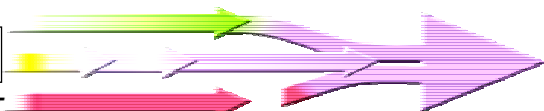


- 0700 PBO/Unit Supply Inventory Serial Numbered items
- 0900 Orientation and Safety Briefing
- 0910-1100 Inventory and Stow BII
- 1200-UTC PBO/Unit Supply sign Hand Receipts

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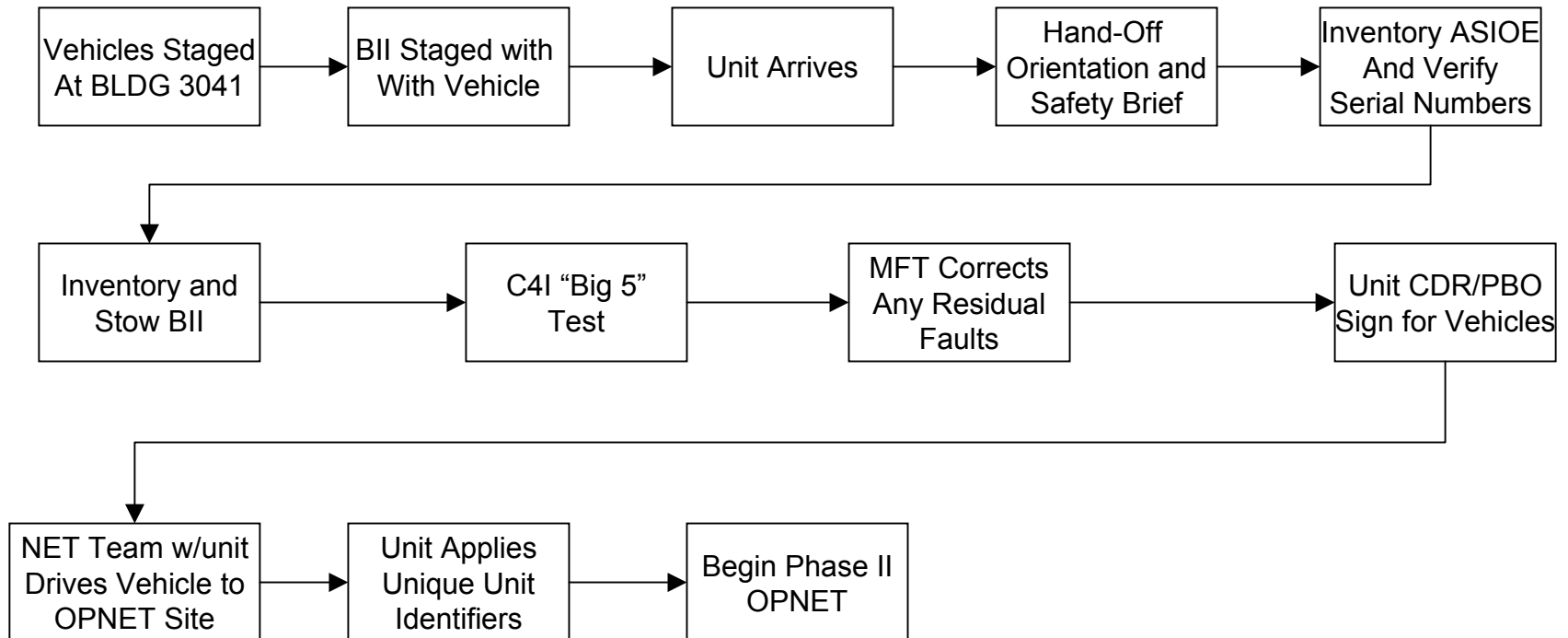


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STRYKER Hand-Off Process



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1/25 Fielding



- Already handed off
 - 66 ICVs
 - 9 ATGMs
 - 12 MCs
 - 9 CVs
 - 5 FSVs
 - 6 MEVs
 - 3 ESVs
 - 40 RVs

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STRYKER

New Equipment Training

NET



- Operator NET (OPNET)
 - Phase I
 - Phase II
 - Phase III
- Organizational Maintenance NET (FLMNET)
 - Field Level Maintenance NET

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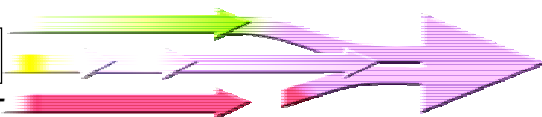


STRYKER Phase I NET



- Goal: Ensure proficiency on all previously fielded Associated Support Items of Equipment (ASIOE)
- Reduces STRYKER Phase II NET by pre-training ASIOE tasks
- Includes items such as SINCGARS ASIP radios, FBCB2, EPLRS, Mk-19, M2 HB MG and other equipment which has already been fielded
- Unit responsibility

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STRYKER Phase II NET



- STRYKER OPNET
- Target Audience is STRYKER Operators and Crews
- Instructs 4 Crewmen per vehicle
- Includes all vehicle specific tasks and ASIOE interface tasks
- Includes all GFE/ASIOE not currently fielded
- POI Complete for ICV,RV,MC and Company Level CV

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<u>Variant/Configuration</u>	<u>POI Length</u>
ICV	14 Days
MC	14 Days
CV	14 Days
RV	14 Days (LRAS trained pre-NET)
ESV	19 Days
FSV	14 Days (Striker trained pre-NET)
MEV	14 Days
ATGM	24 Days

- The above Timeline only cover common tasks for ICV,MC,RV and CO Level CV
- Unique MEP task for ESV, MEV, ATGM and FSV still require development

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STRYKER

Weapons Qualification



- Consists of M2 HB MG or MK-19 Mounted Table IV IAW FMs 23-65 and 23-27 Appendix C respectively
- STRYKER NET Team will require unit to run ranges IAW Fort Lewis and YTC Policies and Procedures
- NET Team will be on site

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STRYKER Phase III NET



- Post-OPNET collective training
- Focused on New Organizational Tactical Training(NOTT) and Doctrine and Tactical Training (DTT)
- Unit/TRADOC responsibility
- Event based training

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STRYKER

Field Level Maintenance New Equipment Training (FLMNET)



- Begins July 2002
- ORF Vehicles Utilized for Training
- Common Course Length (CRT) = 4 Weeks
- 31U Training must be coordinated to take place during deprocessing
 - C4ISR Installation/Removal
 - Big Five (5) Testing

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General Fielding Responsibilities*



PM, BCT (Fielding Command) responsibilities

- **Serve as the IAV Materiel Fielding Team (MFT)**
- **Provide fully operational, defect free vehicles to the user**
- **Provide operator and maintainer New Equipment Training (NET)**
- **Provide a Total Package Fielding (TPF) support package**
- **Provide a starter set of publications**
- **Provide vehicle unique Training Aids, Devices, Simulators and Simulations (TADSS)**

FORSCOM/ I Corps (Gaining Command) responsibilities

- **Plan, Program, Budget for and requisition conventional ammunition and bulk petroleum**
- **Submit publication requisitions**
- **Coordinate materiel, facility, personnel, and training requirements with the Combat Developer and Fielding Command**
- **Provide facilities IAW the Materiel Fielding Agreement**

**** IAW AR and DA Pam 700-142***

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Training Aids Devices Simulations and Simulators (TADSS)



- MILES XXI – phased deliveries per hand-off schedule
 - Trained during Phase II NET
- The Field Tactical Trainer (ATGM Only)
 - 36 FTTs will be fielded
- TADSS delivery schedule still being worked

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STRYKER Supportability

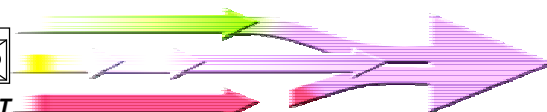


- TPF Packages
 - Special Tools and Test Equipment (STTE)
 - Authorized Stockage List (ASL) for ASIOE only
 - IETMs with paper –10's & Limited 13 & P
- Interim Contractor Logistics Support (ICLS)

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STRYKER ICLS



Platform will be supported through NET operations and beyond

- Interim Contractor Logistics Support(ICLS) for Stryker
 - Prime Contractor maintains
 - 98% Operational Readiness Rate (ORR) during OPNET
 - 90% ORR after OPNET
 - Prime contractor performs scheduled field level PMCS/Services
 - Prime contractor provides all platform parts
 - FSRs provide technical advice/assistance to the CRTs
- Limited to Stryker platform;does not include ASIOE

ASIOE supported by existing PM/Contractor concept of support

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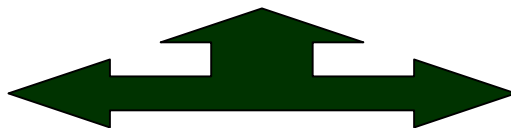




STRYKER TWO LEVEL MAINTENANCE

Field Level (F)
Maintenance

National Level
Maintenance
Provider (L)



Operator
Crew
-10 / C

Organizational
-20 / O

Direct
Support
-30 / F

General
Support
-40 / H

Director
of Logistics
-40 / -50 H / D

Depot
-50 / D

PMCS

PMCS
On Vehicle Repair
LRU Remove
and Replace

Repair & Return to
User at DS Possible

Repair & Return to
National Stock at
DS and GS Possible

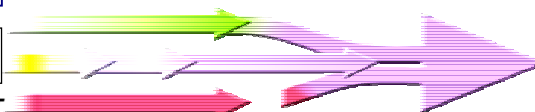
TDA Activity

Core
System
Workload
IAW
Recap

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PM BCT





PM, BCT Fielding POCs



- MAJ Harold Broek: Harold.Broek@lewis.army.mil; 253-966-5344
- CPT Michael Gray: GrayM@lewis.army.mil; 253-966-405-2756

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